

CLASSIFICATION OF MELONS BASED ON SKIN IMAGES USING CONVOLUTIONAL NEURAL NETWORKS (CNN)

SKRIPSI



PROGRAM STUDI ILMU KOMPUTER (S1)
JURUSAN TEKNIK INFORMATIKA
FAKULTAS TEKNIK DAN KEJURUAN
UNIVERSITAS PENDIDIKAN GANESHA





- UU ITE No. 11 Tahun 2008 Pasal 5 Ayat 1 "Informasi Elektronik dan/atau hasil cetaknya merupakan alat bukti hukum yang sah"
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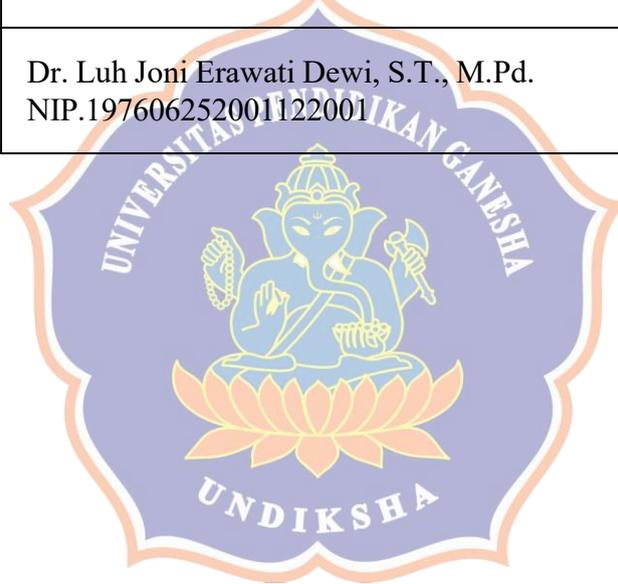


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Diterima oleh Panitia Ujian Fakultas Teknik dan Kejuruan
Universitas Pendidikan Ganesha
guna memenuhi syarat-syarat untuk mencapai gelar Sarjana Komputer

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FACULTY OF ENGINEERING AND VOCATIONAL
UNIVERSITAS PENDIDIKAN GANESHA**

SINGARAJA

2026

**CLASSIFICATION OF MELONS BASED ON SKIN
IMAGES USING CONVOLUTIONAL NEURAL
NETWORKS (CNN)**

UNDERGRADUATE THESIS

**Submitted to
Universitas Pendidikan Ganesha
To fulfill one of the requirements in completing
Bachelor of Computer Science Program**



**By
Dewa Komang Reiki Perdana Wisnu
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**COMPUTER SCIENCE STUDY PROGRAM
DEPARTMENT OF INFORMATICS ENGINEERING
FACULTY OF ENGINEERING AND VOCATIONAL
UNIVERSITAS PENDIDIKAN GANESHA
SINGARAJA**

2026

STATEMENT OF ORIGINALITY

I hereby declare that the thesis titled “**CLASSIFICATION OF MELONS BASED ON SKIN IMAGES USING CONVOLUTIONAL NEURAL NETWORKS (CNN)**” along with all its contents is truly my own work, and I did not commit plagiarism or citation in ways that are inconsistent with the prevailing ethics in the scientific community.

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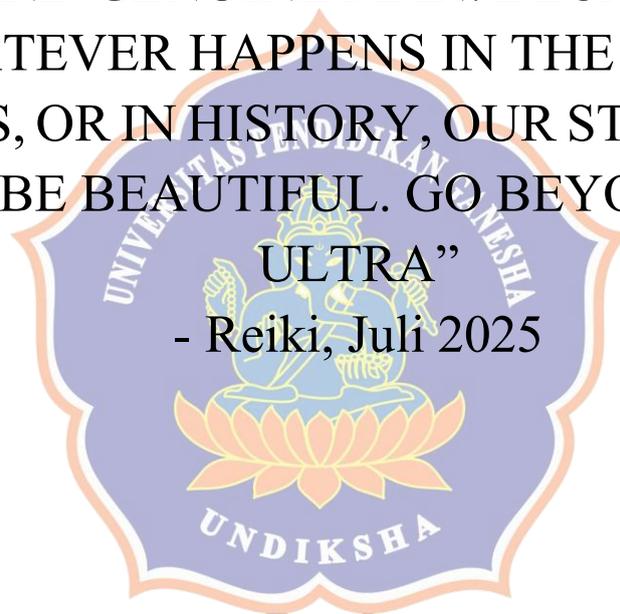
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MOTTO

“BE A WISE, SMART, CIVILIZED, EMPATHY,
COURAGEOUS, NEVER GIVE UP, SINCERE,
AND GENUINE MAN. BECAUSE,
WHATEVER HAPPENS IN THE PAST, IN
BOOKS, OR IN HISTORY, OUR STORY WILL
STILL BE BEAUTIFUL. GO BEYOND, PLUS

ULTRA”

- Reiki, Juli 2025



FOREWORD

The author expresses praise and gratitude to God Almighty for His grace, enabling the completion of this final project titled “**CLASSIFICATION OF MELONS BASED ON SKIN IMAGES USING CONVOLUTIONAL NEURAL NETWORKS (CNN)**” This final project is submitted as a partial fulfillment of the requirements for the Bachelor of Computer Science degree at Universitas Pendidikan Ganesha.

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Singaraja, 9 February 2026

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